

Oyster Aquaculture Training Program

April - September 2012

Actively work alongside researchers throughout the 2012 oyster hatchery season.

Learn the principles of oyster aquaculture in this intensive, hands-on program.

Participants will receive a stipend.



Aquaculture Genetics and Breeding Technology Center at the Virginia Institute of Marine Science



Where

Virginia Institute of Marine Science
Gloucester Point, VA

Requirements

High School diploma or equivalent.

No previous marine science experience necessary.

Program description and further details available at <http://www.vims.edu/research/units/centerspartners/abc/oat/index.php>

For more information please contact:

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ABC Business Manager
804-684-7711
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How to Apply

Applicants must complete a Virginia state application online. No printed/faxed copies accepted.

Application must be accompanied by a cover letter indicating interest in aquaculture training.

<https://jobs.wm.edu>

Select: Hourly Positions

Search for: Oyster Aquaculture Training Program Participant

Application Deadline

February 20th, 2012.

Finalists will be interviewed in mid-February.



Take this opportunity to learn the basics of this emerging Virginia industry!

General Information

The Oyster Aquaculture Training Program will take place during normal business hours at a working oyster research facility.

Participants will rotate through the stages of oyster aquaculture from the hatchery to field grow out operations. Brief classroom lectures on major topics will provide background information. This program will also include field trips to other research facilities and industry sites.

There will be a maximum of four participants in 2012. The Oyster Aquaculture Training Program limits the number of participants in order to provide a one-on-one learning environment.

Curriculum

Broodstock

- Learn conditioning process
- Maintain broodstock tanks

Algae Culture

- Grow and maintain cultures
- Calculate feeding requirements
- Feed adults and larvae

Spawning

- Differentiate male from female adults
- Rate gonad ripeness
- Learn spawning techniques
- Participate in oyster spawns

Larval Rearing

- Measure water quality
- Clean larval tanks
- Count larvae
- Determine adequate larval densities
- Monitor larval health

Setting

- Track larval development
- Learn setting systems and techniques
- Understand downwelling process

Nursery

- Learn upwelling process
- Care and maintenance of nursery
- Count and sieve seed
- Size seed

Field Grow Out

- Learn deployment types
- Prepare and stock bags
- Determine stocking densities
- Care and maintenance of grow out

Laboratory

- Make standard solutions
- Learn the process of ploidy analysis
- Understand disease testing

